

Galvanizing for Hardware
Steel Beams

A 153
A 709

802.03 CONSTRUCTION. Galvanized parts that have been cut or chipped to bare metal shall be repaired as specified in A 780.

Galvanized steel beam sign posts shall be placed in the ground in a plumb position to the lateral orientation specified in the Contract Documents.

Each location where galvanized steel beam sign posts are to be installed shall be staked out by the Contractor and approved by the Engineer. After staking out the galvanized steel beam sign posts and obtaining approval for their location from the Engineer, the Contractor shall submit working drawings and upon approval be permitted to order materials. The Contractor shall indicate on the working drawings the highest elevation of the traveled roadway and the shoulder elevation where sign posts will be installed.

802.04 MEASUREMENT AND PAYMENT. Galvanized Steel Beam Sign Posts will be measured and paid for at the Contract unit price per linear foot for the various sizes of posts specified in the Contract Documents. The payment will be full compensation for stakeout, furnishing and installing the posts and for all material, labor, equipment, tools, and incidentals necessary to complete the work.

Breakaway Base Support Systems, when specified in the Contract Documents, will be measured and paid for as specified in Section 821.

SECTION 803 — OVERHEAD SIGN STRUCTURES

803.01 DESCRIPTION. This work shall consist of furnishing and fabricating overhead sign structures and other appurtenances as specified in the Contract Documents or as directed by the Engineer. Sign panels, electrical work, luminaires, and foundations are excluded.

803.02 MATERIALS.

Bolts, Nuts and Washers
Overhead Sign Structures

909.07
950.04

803.03 CONSTRUCTION. All fabrication shall be done in the shop as specified in Section 430, except that welding shall conform to ANSI/AWS D1.1, Tubular Structures.

All assemblies and tubular members shall be designed and manufactured as specified in A 385 to permit hot dip galvanizing. All holes required in the supports shall be made before galvanizing. The surfaces shall be protected during transportation and handling.

The structure shall be free from sharp edges, irregularities, misfits or structural deficiencies. After erection and before final acceptance, the Contractor shall repair or replace damaged surfaces in a manner acceptable to the Engineer.

Each location where overhead sign structures are to be installed shall be staked out by the Contractor and approved by the Engineer. After staking out the overhead sign structures and obtaining approval for their location from the Engineer, the Contractor shall submit working drawings and upon approval be permitted to order materials. The Contractor shall indicate on the working drawings the highest elevation of the traveled roadway and the shoulder elevation where sign structure supports will be installed.

803.04 MEASUREMENT AND PAYMENT. Overhead Sign Structures will be measured and paid for at the Contract unit price per each. The payment will be full compensation for all stakeouts, overhead sign structures, sign/luminaire supports, nuts and washers, and for all material, labor, equipment, tools, and incidentals necessary to complete the work.

SECTION 804 — GROUNDING

804.01 DESCRIPTION. This work shall consist of furnishing and installing grounding systems as specified in the Contract Documents or as directed by the Engineer. The grounding system shall conform to the latest editions of the National Electrical Code (NEC) and the National Electric Safety Code (NESC).

804.02 MATERIALS.

Ground Wire and Rods

950.06.04

804.03 CONSTRUCTION.

804.03.01 Equipment Grounding System. Equipment grounding system shall consist of the ground wire, electrically continuous metallic conduit system, grounding conductors, ground rods and terminations.